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T070641

1. Location of Reading Room: Idaho Operations Public Reading Room 1776 Science Center Dr. University Place Idaho Falls, ID 83403	2. Expected Release Date: May 30, 1995	
3. Document Type: <div style="display: flex; justify-content: space-between;"><div style="width: 40%;"><input checked="" type="checkbox"/> Letter <input type="checkbox"/> Memorandum <input type="checkbox"/> Report <input type="checkbox"/> Publication <input type="checkbox"/> Other (Specify)</div><div style="width: 55%;">a. If letter or memo: To: R. B. O'Brien, Manager Nuclear and Operational Safety Division, Idaho Nuclear Corporation From: G. L. Voelz, M.D., Director Health Services Laboratory Subject: EXPERIMENTAL CLOUD EXPOSURE STUDY b. If report: Title: c. If publication: Name: Volume: Issue:</div></div>		
4. Document Date: Feb. 25, 1970	5. Summary (2-3 lines indicating the major subject(s) of the document): Letter describes test to be carried out and invites contractor representatives to attend meeting on March 3, 1970, to discuss test and possible interactions.	
6. Name and telephone number of person completing form: Thomas L. Baccus (208) 525-0696	7. Organization: Lockheed Idaho Technologies Co.	8. Date: May 19, 1995
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HUMAN RADIATION EXPERIMENTS

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FILE TITLE	EXPERIMENTAL CLOUD EXPOSURE STUDY
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DOCUMENT TITLE: EXPERIMENTAL CLOUD EXPOSURE STUDY

CROSS REFERENCES:

ITEMS OF INTEREST:

FEB 25 1970

Mr. R. B. O'Brien, Manager
Nuclear and Operational Safety Division
Idaho Nuclear Corporation
P. O. Box 1645
Idaho Falls, Idaho 83401

REPOSITORY INEL
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FOLDER ~~None~~ EXPERIMENTAL
CLOUD EXPOSURE STUDY

Subject: Experimental Cloud Exposure Study

Dear Mr. O'Brien:

The Division of Reactor Development and Technology has contracted with the Health Services Laboratory to carry out an experimental program to measure radiation doses from clouds of gamma emitting radionuclides.

We plan to carry out a series of tests at Grid 3, which is just north of CPP, during the second week in March. A sodium-24 aerosol will be released over periods ranging up to 30 minutes at the smallest rate necessary to measure the radiation dose reliably. Our first test is planned for March 9, probably in the afternoon. We are quite certain that the tests can be carried out without producing air concentrations of the sodium-24 aerosol at any facility on-site that will even approach the off-site Radioactivity Concentration Guide for sodium-24. However, the concentrations may be measurable for short time periods at your facility and we would like you to be fully aware of what we are doing. Toward this end, you and/or your representatives are invited to attend a meeting in the conference room at CP-690 at 1:00 p.m. on March 3. The purpose of this meeting is to acquaint you with the program and discuss the possible interactions with your facilities.

If you have any questions about the meeting please contact Charles A. Pelletier, Chief, Environmental Branch.

Very truly yours,

George L. Voelz, M.D., Director
Health Services Laboratory

HSL

cc: C. M. Rice

bcc: John Horan, OSTS
Paul Voilleque', HSL
Blair Johnson, HSL
Ernest Murri, INC
C. Ray Dickson, ESSA

Same letter to: H. R. Canter, PNRO
M. Novick, ANL

HSLE

HSL

CAPelletier:dc GLVoelz
2/25/70